300-510 Q&As

Implementing Cisco Service Provider Advanced Routing Solutions (SPRI)

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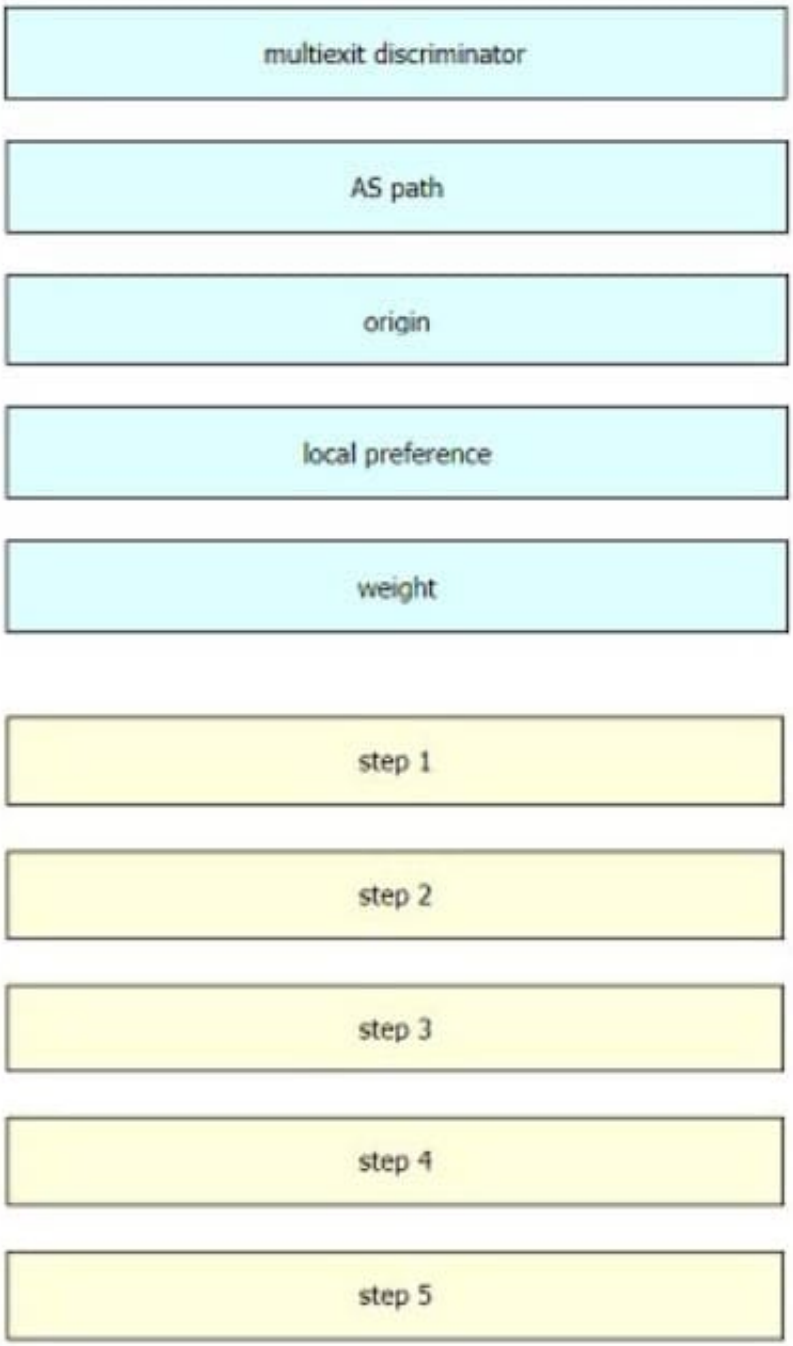
QUESTION 1

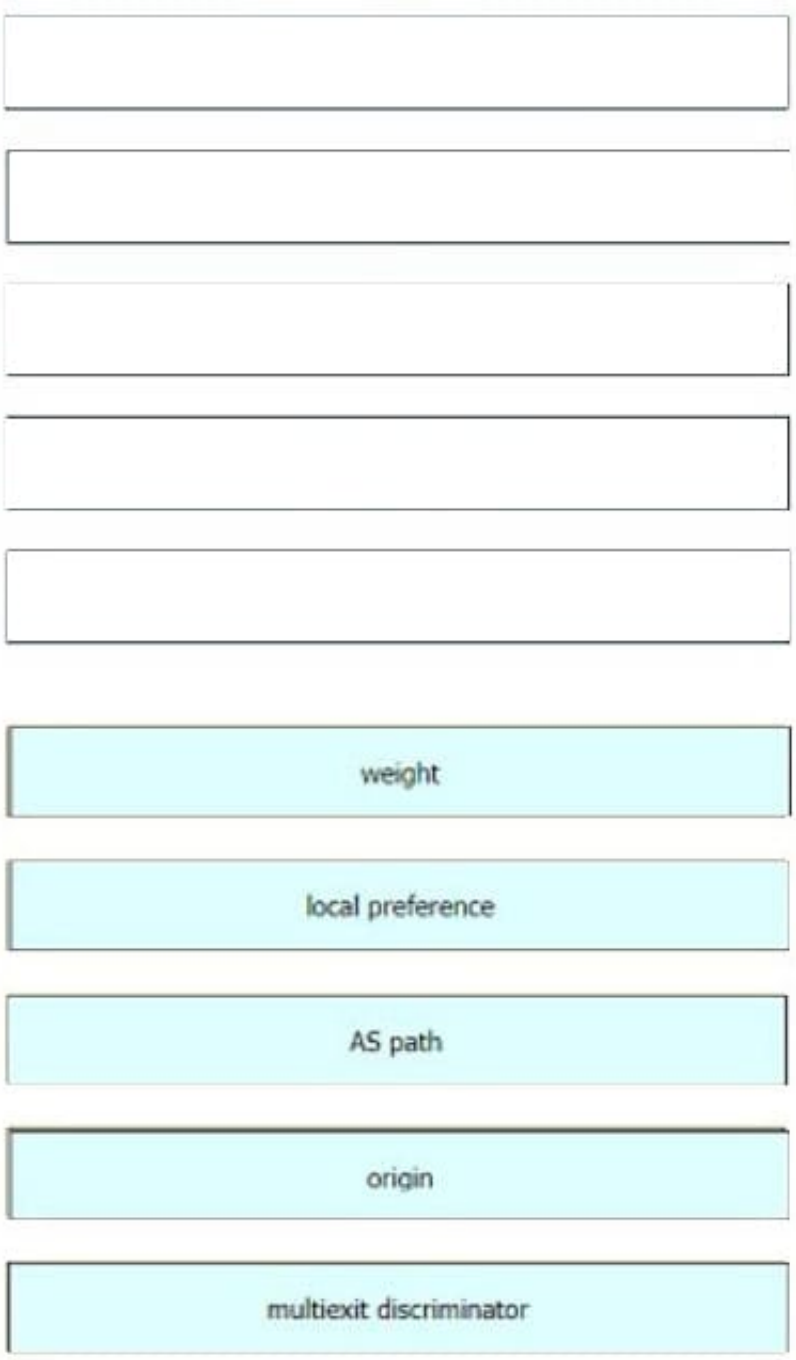
DRAG DROP

Drag and drop the BGP attributes from the left into the order of route selection preference on the right.

Select and Place:



Correct Answer:



QUESTION 2

Which type of BGP attribute does a route reflector attach to routes learned from iBGP peers that allows them to be accepted by other iBGP peers, thereby eliminating the need for a full-mesh BGP topology?

A. well-known mandatory

B. optional transitive

C. well-known discretionary

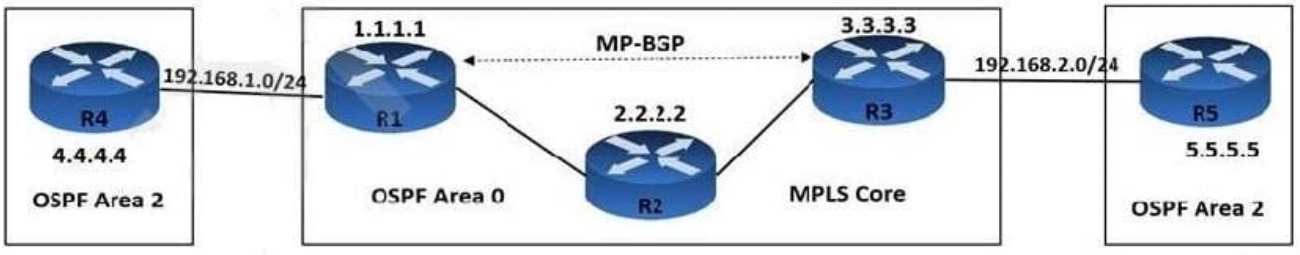
D. optional non transitive

Correct Answer: D

QUESTION 3

Refer to the exhibit.

```
R1#sh ip route
Codes: C - connected, S - static, R- RIP, M - mobile, B - BGP
 D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
 N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
 E1 - OSPF external type 1, E2 - OSPF external type 2
 i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
 ia - IS-IS inter area, * - candidate default, U - per-user
static route o - ODR, P - periodic downloaded static route
Gateway of last resort is not set
1.0.0.0/32 is subnetted, 1 subnets
C 1.1.1.1 is directly connected, Loopback0
 2.0.0.0/32 is subnetted, 1 subnets
O 2.2.2.2 [110/11] via 10.0.0.2, 01:38:48, FastEthernet 0/0
 3.0.0.0/32 is subnetted, 1 subnets
O 3.3.3.3 [110/21] via 10.0.0.2, 01:02:29, FastEthernet 0/0
 10.0.0.0/24 is subnetted, 2 subnets
C 10.0.0.0 is directly connected, FastEthernet 0/0
O 10.0.1.0 [110/20] via 10.0.0.2, 01:02:39, FastEthernet 0/0
R1#sh ip bgp vpnv4 vrf RED
BGP table version is 9, local router ID is 1.1.1.1
Status codes: s suppressed, d damped, h history, * valid,
 > best, r RIB-failure, S Stale Origin codes: i - IGP, e - EGP, ? - incomplete
 Network Next Hop Metric LocPrf Weight Path Route Distinguisher: 4:4 (default for vrf RED)
*>i5.5.5.5/32 3.3.3.3 11 100 0 ?
*>i192.168.2.0 3.3.3.3 0 100 0 ?
R4#sh ip route
4.0.0.0/32 is subnetted, 1 subnets
C 4.4.4.4 is directly connected, Loopback0
C 192.168.1.0/24 is directly connected, FastEthernet 0/
```



An engineer is troubleshooting connectivity issues on the MPLS core network. A customer connected through R4 cannot reach the OSPF domain on R5. While checking the routing table of R1, the engineer cannot see all the routes from R3 and R5. Which task must the engineer perform so that R4 is able to reach R5?

A. Enable OSPF peering and configure route redistribution between routers R4 and R1.

B. Enable route filtering between routers R1 and R3.

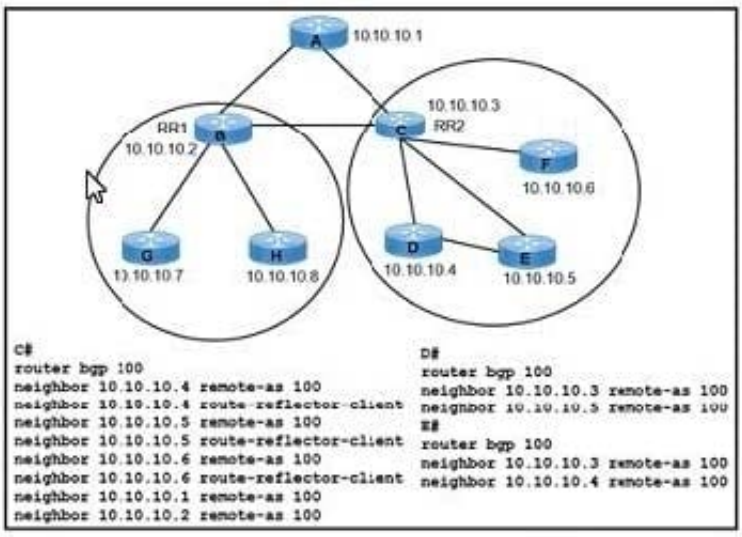
C. Enable MP-BGP peering on routers R1, R3, R4, and R5.

D. Enable OSPF on the Area-0 routers and configure MP-BGP between routers R1 and R3.

Correct Answer: C

QUESTION 4

Refer to the exhibit



While troubleshooting a networking issue an engineer identified a suboptimal communication issue on route reflector RR2 In the current environment

Router A is a non-route-reflector client for RR1 and RR2 Routers D and E are directly connected iBGP peers.

Router F is not an iBGP peer of routers D and E

Which action resolves the issue?

A. Disable BGP Client-to-Client reflection on router RR2.

B. Enable next-hop-self for BGP peering on router C.

C. Remove the route-reflector configuration on router RR2.

D. Enable next-hop-self for BGP peering on router D.

Correct Answer: B

QUESTION 5

Which feature is used in multicast routing to prevent loops?

A. STP

B. inverse ARP

C. RPF

D. split horizon

Correct Answer: C